

At Ingenium, Inc. — we know structures. With over 80 years of combined individual experience, we have engineered an incredibly diverse range of projects. The principals of the firm have designed major structures all across the United States and abroad, including major hurricane and seismic zone areas.

A minority-owned firm located in Houston, Ingenium's goal is to provide every client with a cost-effective structural system that performs well under all loading conditions and is easy to construct and economical to build. We deliver exceptional service and provide innovative solutions to every challenge we encounter. Ingenium works in partnership with the visions of owners, architects and contractors to create sustainable landmark projects.



## PROJECTS

- Airports
- Convention Centers
- Entertainment Facilities
- Educational Facilities
- High-Rise Buildings
- Hotels
- Medical Facilities
- Mixed Use Developments
- Office Buildings
- Parking Garages

## SERVICES

- New structural design for all building types
- Structural modification and/or reinforcement of existing structures
- Failure investigations
- Professional structural peer reviews
- Condition assessments
- Forensic analysis
- Expert witness testimony
- Capacity and serviceability evaluations
- Seismic and wind engineering
- Blast design and analysis

## PEOPLE

### Dr. P.V. (Bana) Banavalkar, P.E.

With over 40 years of project experience and an extensive structural background, Bana is a natural design team leader. Ten of his building designs are listed in "100 of the World's Tallest Buildings" published in 1998 by the Council of Tall Buildings and Urban Habitat. He was named by Engineering News Record among the "Men Who Made Marks" in 1986 and 1989 and his projects have been mentioned in the publication over 20 times. His experience includes design for all conditions including critical seismic and wind regions, blast-resisting structures and systems for prevention of progressive collapse. His notable projects include Library Tower in Los Angeles, Fountain Place in Dallas, Chase Tower in Houston and U.S. Bank Place in Minneapolis. As a leading expert in his field, Bana has authored more than 40 publications and lectured extensively on subjects such as steel structures, seismic stress and concrete.

### H. (Anu) Mahendra, P.E.

Anu has 35 years of experience in the planning and design of structural systems. He has the ability to handle complex projects with tight budget and time constraints while providing consistent communication and accountability through all stages of project development. Anu's design experience includes office buildings, parking structures, airport terminals and institutional buildings. His experience also includes the structural design of over 50 hotel projects throughout the United States. Projects include the Grand Hyatt Hotel in Atlanta, George Bush Intercontinental Airport Terminal A Addition in Houston, Ronald Reagan National Airport Terminal Addition in Washington, D.C. and the University of Houston Downtown Campus Building.

### Vimal H. Parikh, P.E.

Vimal has over 10 years of experience in the design of a wide variety of structures including commercial, government and educational buildings; hotels; and parking structures. With a strong computer background, he has a wealth of experience and talent in performing computerized modeling and technical analysis of structural system designs. A graduate of Rice University, Vimal wrote his master's degree thesis on seismic pressure on underground tanks and his experience also includes the forensic analysis of damage to buildings during earthquakes. Key projects include Chase Headquarters in San Francisco, the California EPA Headquarters in Sacramento, 1500 Louisiana in Houston, and Cy-Fair College in Houston.





INGENIUM INC.  
Structural Engineers

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